

BS 1970:2012



BSI Standards Publication

Hot water bottles manufactured from rubber and PVC – Specification

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Foreword

Publishing information

This British Standard is published by BSI Standards Limited, under licence from The British Standards Institution, and came into effect on 31 December 2012. It was prepared by Technical Committee PRI/68, *Hot water bottles*. A list of organizations represented on this committee can be obtained on request to its secretary.

Supersession

This British Standard supersedes BS 1970:2006, which is withdrawn.

Information about this document

This new edition of BS 1970 incorporates technical changes only. It does not represent a full review or revision of the standard, which will be undertaken in due course.

The main technical changes in this edition are:

- the additional requirement in **4.3** that the inside faces are not to stick or block together during the filling test;
- in **6.4.3**, the reduction of the minimum elongation at break of PVC test pieces from 200% to 150%;
- additional safety instructions in Clause **8** on labelling and information.

The previous edition, published in 2006, was a full revision of the standard, based on current knowledge and research funded by the DTI.

Hot water bottle manufacture has evolved and the 2006 edition encompassed new production methods that were not reflected in the requirements of the 2001 edition. The 2006 revision attempted to address these new production techniques by requiring hot water bottles to be tested as products and not the materials they are manufactured from.

The “full thickness” tensile strength and the full thickness tear strength introduced in the 2006 edition are requirements that assess the material, production method and mould design. The aim of this standard is to provide the minimum specification for safe hot water bottles and, in so doing, prevent some of the injuries that might have been a consequence of unsafe products.

Presentational conventions

The provisions of this standard are presented in roman (i.e. upright) type. Its requirements are expressed in sentences in which the principal auxiliary verb is “shall”.

Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.

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This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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